However, if additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

Please cancel claims 38-55 without prejudice or disclaimer.

Please amend the following claim:

Sub C3

8. (Twice amended) A method for synthesizing a nucleic acid molecule from a crude preparation containing DNA, said method comprising:

B1

a) mixing the crude preparation containing DNA wherein the DNA functions as a desired nucleic acid template, with one or more DNA polymerases, and one or more peptides or polypeptides having ribonuclease activity; and

b) incubating said mixture under conditions sufficient to synthesize a nucleic acid molecule complementary to all or a portion of said template.

Please add the following claims:

Sub C4

B2

56. (New) The method of claim 8, wherein said crude preparation containing DNA is from any cell or tissue selected from the group consisting of virus; bacteriophage; bacteria; insect; bird; fish; plant; yeast; prokaryote; eukaryote; and mammals.

57. (New) A method for synthesizing a nucleic acid molecule, said method comprising:

a) mixing a nucleic acid template, wherein said nucleic acid template is genomic DNA, with one or more DNA polymerases, and one or more peptides or polypeptides having ribonuclease activity; and

b) incubating said mixture under conditions sufficient to synthesize a nucleic acid molecule complementary to all or a portion of said template.

58. (New) The method according to claim 57, wherein said peptide or polypeptide having ribonuclease activity is selected from the group consisting of: RNase A, RNase T1, RNase S, RNase B, RNase C, RNase T2 and enzymatically active fragments, variants, derivatives or mutants thereof.

cnt B2

59. (New) The method according to claim 57, wherein said mixture further comprises one or more components selected from the group consisting of: a) at least one nucleotide; b) at least one suitable buffer for nucleic acid synthesis; and c) at least one primer.

60. (New) The method according to claim 57, wherein said DNA polymerase is thermostable.

61. (New) The method according to claim 60, wherein said thermostable DNA polymerase is selected from the group consisting of: *Taq* DNA polymerase, *Tne* DNA polymerase, *Tma* DNA polymerase, *Tth* DNA polymerase, *Tli* DNA polymerase, *Pfu* DNA

polymerase, *Pyrococcus* species GB-D DNA polymerase, *Pwo* DNA polymerase, *Bst* DNA polymerase, *Bca* DNA polymerase, *Tfl* DNA polymerase and enzymatically active fragments, variants, derivatives or mutants thereof.

62. (New) The method according to claim 59, wherein one or more of said nucleotides are detectably labeled.

63. (New) A method for synthesizing a nucleic acid molecule, said method comprising:

a) mixing a nucleic acid template, wherein said nucleic acid template is contained in a cloning vector or an expression vector, with one or more DNA polymerases, and one or more peptides or polypeptides having ribonuclease activity; and

b) incubating said mixture under conditions sufficient to synthesize a nucleic acid molecule complementary to all or a portion of said template.

64. (New) The method according to claim 63, wherein said cloning vector or expression vector is selected from the group consisting of a plasmid; a cosmid; and phage DNA.

65. (New) The method according to claim 63, wherein said peptide or polypeptide having ribonuclease activity is selected from the group consisting of: RNase A, RNase T1, RNase S, RNase B, RNase C, RNase T2 and enzymatically active fragments, variants, derivatives or mutants thereof.

66. (New) The method according to claim 63, wherein said mixture further comprises one or more components selected from the group consisting of: a) at least one nucleotide; b) at least one suitable buffer for nucleic acid synthesis; and c) at least one primer.

67. (New) The method according to claim 63, wherein said DNA polymerase is thermostable.

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68. (New) The method according to claim 67, wherein said thermostable DNA polymerase is selected from the group consisting of: *Taq* DNA polymerase, *Tne* DNA polymerase, *Tma* DNA polymerase, *Tth* DNA polymerase, *Tli* DNA polymerase, *Pfu* DNA polymerase, *Pyrococcus* species GB-D DNA polymerase, *Pwo* DNA polymerase, *Bst* DNA polymerase, *Bca* DNA polymerase, *Tfl* DNA polymerase and enzymatically active fragments, variants, derivatives or mutants thereof.

69. (New) The method according to claim 66, wherein one or more of said nucleotides are detectably labeled.

Add C5